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Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=9; day=29; hr=12; min=20; sec=37; ms=99;]

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Application No: 10597509 Version No: 1.0

Input Set:**Output Set:**

Started: 2009-09-15 15:43:54.549
Finished: 2009-09-15 15:43:55.996
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 447 ms
Total Warnings: 16
Total Errors: 0
No. of SeqIDs Defined: 16
Actual SeqID Count: 16

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W 213	Artificial or Unknown found in <213> in SEQ ID (16)

SEQUENCE LISTING

<110> Robertson, Fredika
Bauer, John

<120> VASCULAR ENDOTHELIAL GROWTH FACTORS AND METHODS OF
THEIR USE

<130> 22727/04421

<140> 10597509

<141> 2009-09-15

<150> PCT/US05/002929

<151> 2005-01-27

<150> 60/539,852

<151> 2004-01-27

<160> 16

<170> PatentIn Ver. 3.3

<210> 1

<211> 171

<212> PRT

<213> Mus sp.

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Tyr	Leu	His	His	Ala	Lys	Trp	Ser	Gln	Ala	Ala	Pro	Thr	Thr	Glu	Gly
		20						25					30		

Glu	Gln	Lys	Ser	His	Glu	Val	Ile	Lys	Phe	Met	Asp	Val	Tyr	Gln	Arg
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Ser	Tyr	Cys	Arg	Pro	Ile	Glu	Thr	Leu	Val	Asp	Ile	Phe	Gln	Glu	Tyr
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Pro	Asp	Glu	Ile	Glu	Tyr	Ile	Phe	Lys	Pro	Ser	Cys	Val	Pro	Leu	Met
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Arg	Cys	Ala	Gly	Cys	Cys	Asn	Asp	Glu	Ala	Leu	Glu	Cys	Val	Pro	Thr
			85						90					95	

Ser	Glu	Ser	Asn	Ile	Thr	Met	Gln	Ile	Met	Arg	Ile	Lys	Pro	His	Gln
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Ser	Gln	His	Ile	Gly	Glu	Met	Ser	Phe	Leu	Gln	His	Ser	Arg	Cys	Glu
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Cys	Arg	Pro	Lys	Lys	Asp	Arg	Thr	Lys	Pro	Glu	Lys	Lys	Ser	Val	Arg
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Gly Lys Gly Lys Gly Gln Lys Arg Lys Arg Lys Lys Ser Arg Phe Lys
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Ser Trp Ser Val Tyr Val Gly Ala Ala Ala Val
165 170

<210> 2

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<212> PRT

<213> Mus sp.

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Glu Gln Lys Ser His Glu Val Ile Lys Phe Met Asp Val Tyr Gln Arg
35 40 45

Ser Tyr Cys Arg Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu Tyr
50 55 60

Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu Met
65 70 75 80

Arg Cys Ala Gly Cys Cys Asn Asp Glu Ala Leu Glu Cys Val Pro Thr
85 90 95

Ser Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His Gln
100 105 110

Ser Gln His Ile Gly Glu Met Ser Phe Leu Gln His Ser Arg Cys Glu
115 120 125

Cys Arg Pro Lys Lys Asp Arg Thr Lys Pro Glu Lys Lys Ser Val Arg
130 135 140

Gly Lys Gly Lys Gly Gln Lys Arg Lys Arg Lys Lys Ser Arg Phe Lys
145 150 155 160

Ser Trp Ser Val His Cys Glu Pro Cys Ser Glu Arg Arg Lys His Leu
165 170 175

Phe Val Gln Asp Pro Gln Thr Cys Lys Cys Ser Cys Lys Asn Thr Asp
180 185 190

Ser Arg Cys Lys Ala Arg Gln Leu Glu Leu Asn Glu Arg Thr Cys Arg
195 200 205

Cys Asp Lys Pro Arg Arg
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<210> 3

<211> 190

<212> PRT

<213> Mus sp.

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Met Asn Phe Leu Leu Ser Trp Val His Trp Thr Leu Ala Leu Leu Leu
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20 25 30

Glu Gln Lys Ser His Glu Val Ile Lys Phe Met Asp Val Tyr Gln Arg
35 40 45

Ser Tyr Cys Arg Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu Tyr
50 55 60

Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu Met
65 70 75 80

Arg Cys Ala Gly Cys Cys Asn Asp Glu Ala Leu Glu Cys Val Pro Thr
85 90 95

Ser Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His Gln
100 105 110

Ser Gln His Ile Gly Glu Met Ser Phe Leu Gln His Ser Arg Cys Glu
115 120 125

Cys Arg Pro Lys Lys Asp Arg Thr Lys Pro Glu Asn His Cys Glu Pro
130 135 140

Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr Cys
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Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln Leu
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<212> PRT

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Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Thr Thr Glu Gly
20 25 30

Glu Gln Lys Ser His Glu Val Ile Lys Phe Met Asp Val Tyr Gln Arg
35 40 45

Ser Tyr Cys Arg Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu Tyr
50 55 60

Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu Met
65 70 75 80

Arg Cys Ala Gly Cys Cys Asn Asp Glu Ala Leu Glu Cys Val Pro Thr
85 90 95

Ser Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His Gln
100 105 110

Ser Gln His Ile Gly Glu Met Ser Phe Leu Gln His Ser Arg Cys Glu
115 120 125

Cys Arg Pro Lys Lys Asp Arg Thr Lys Pro Glu Lys Lys Ser Val Arg
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Gly Lys Gly Lys Gly Gln Lys Arg Lys Arg Lys Lys Ser Arg Phe Lys
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Ser Trp Ser Val Cys Asp Lys Pro Arg Arg
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<211> 146

<212> PRT

<213> Mus sp.

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Met Asn Phe Leu Leu Ser Trp Val His Trp Thr Leu Ala Leu Leu Leu
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20 25 30

Glu Gln Lys Ser His Glu Val Ile Lys Phe Met Asp Val Tyr Gln Arg
35 40 45

Ser Tyr Cys Arg Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu Tyr
50 55 60

Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu Met
65 70 75 80

Arg Cys Ala Gly Cys Cys Asn Asp Glu Ala Leu Glu Cys Val Pro Thr
85 90 95

Ser Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His Gln
100 105 110

Ser Gln His Ile Gly Glu Met Ser Phe Leu Gln His Ser Arg Cys Glu
115 120 125

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Arg Arg
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1 5 10 15

tac ctc cac cat gcc aag tgg tcc cag gct gca ccc acg aca gaa gga 96
Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Thr Thr Glu Gly
20 25 30

gag cag aag tcc cat gaa gtg atc aag ttc atg gat gtc tac cag cga 144
Glu Gln Lys Ser His Glu Val Ile Lys Phe Met Asp Val Tyr Gln Arg
35 40 45

agc tac tgc cgt ccg att gag acc ctg gtg gac atc ttc cag gag tac 192
Ser Tyr Cys Arg Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu Tyr
50 55 60

ccc gac gag ata gag tac atc ttc aag ccg tcc tgt gtg ccg ctg atg 240
Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu Met
65 70 75 80

cgc tgt gca ggc tgc tgt aac gat gaa gcc ctg gag tgc gtg ccc acg 288
Arg Cys Ala Gly Cys Cys Asn Asp Glu Ala Leu Glu Cys Val Pro Thr
85 90 95

tca gag agc aac atc acc atg cag atc atg cgg atc aaa cct cac caa 336
Ser Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His Gln
100 105 110

agc cag cac ata gga gag atg agc ttc cta cag cac agc aga tgt gaa 384
Ser Gln His Ile Gly Glu Met Ser Phe Leu Gln His Ser Arg Cys Glu
115 120 125

tgc aga cca aag aaa gac aga aca aag cca gaa aaa aaa tca gtt cga 432
Cys Arg Pro Lys Lys Asp Arg Thr Lys Pro Glu Lys Lys Ser Val Arg
130 135 140

gga aag gga aag ggt caa aaa cga aag cgc aag aaa tcc cgg ttt aaa 480
Gly Lys Gly Lys Gly Gln Lys Arg Lys Arg Lys Lys Ser Arg Phe Lys
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tcc tgg agc gtg tac gtt ggt gcc gct gct gtc taattcctt 522
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<210> 7
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
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<400> 7
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<210> 8
<211> 19
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primer

<400> 8
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<210> 9
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<400> 10
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<212> DNA
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 <212> PRT
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 <400> 15
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<210> 16

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<212> PRT

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<223> Description of Artificial Sequence: Synthetic
construct

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